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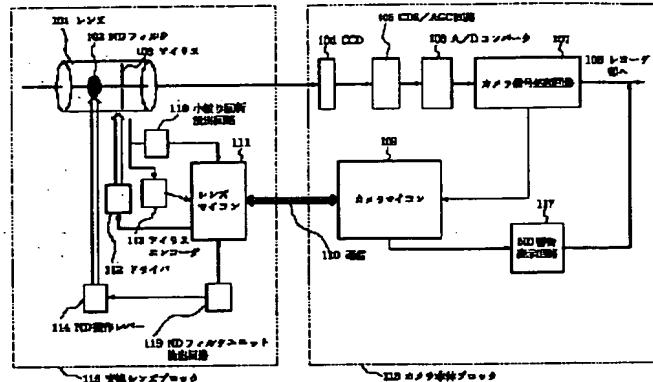
APPLICATION DATE : 20-01-98
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TITLE : INTERCHANGEABLE LENS SYSTEM,
 LENS UNIT AND CAMERA



ABSTRACT : PROBLEM TO BE SOLVED: To precisely display an ND warning showing whether an ND filter is used in an optical path or not in order to prevent a small aperture diffraction phenomenon from occurring by using a small aperture diffraction detection means and an ND filter unit detection circuit.

SOLUTION: By a lens microcomputer 111, the existence of an ND filter unit 102 is discriminated by using the ND filter unit detection circuit 119. When the unit 102 exists, status showing the existence of the ND filter unit is set. Next, it is detected by the small aperture diffraction detection circuit 118 whether the small aperture diffraction is likely to be caused or not. When it is likely to be caused, status for setting the warning of the small aperture diffraction is set. When it is not caused, status for clearing the warning of the small aperture diffraction is set. Then the status showing the existence of the ND filter unit and the status for setting the warning of the small aperture diffraction are transmitted to a camera microcomputer 109. By the microcomputer 119, the ND warning is controlled to be displayed when the warning of the small aperture diffraction is set. When the warning is cleared, it is not displayed.

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